

FIG.1

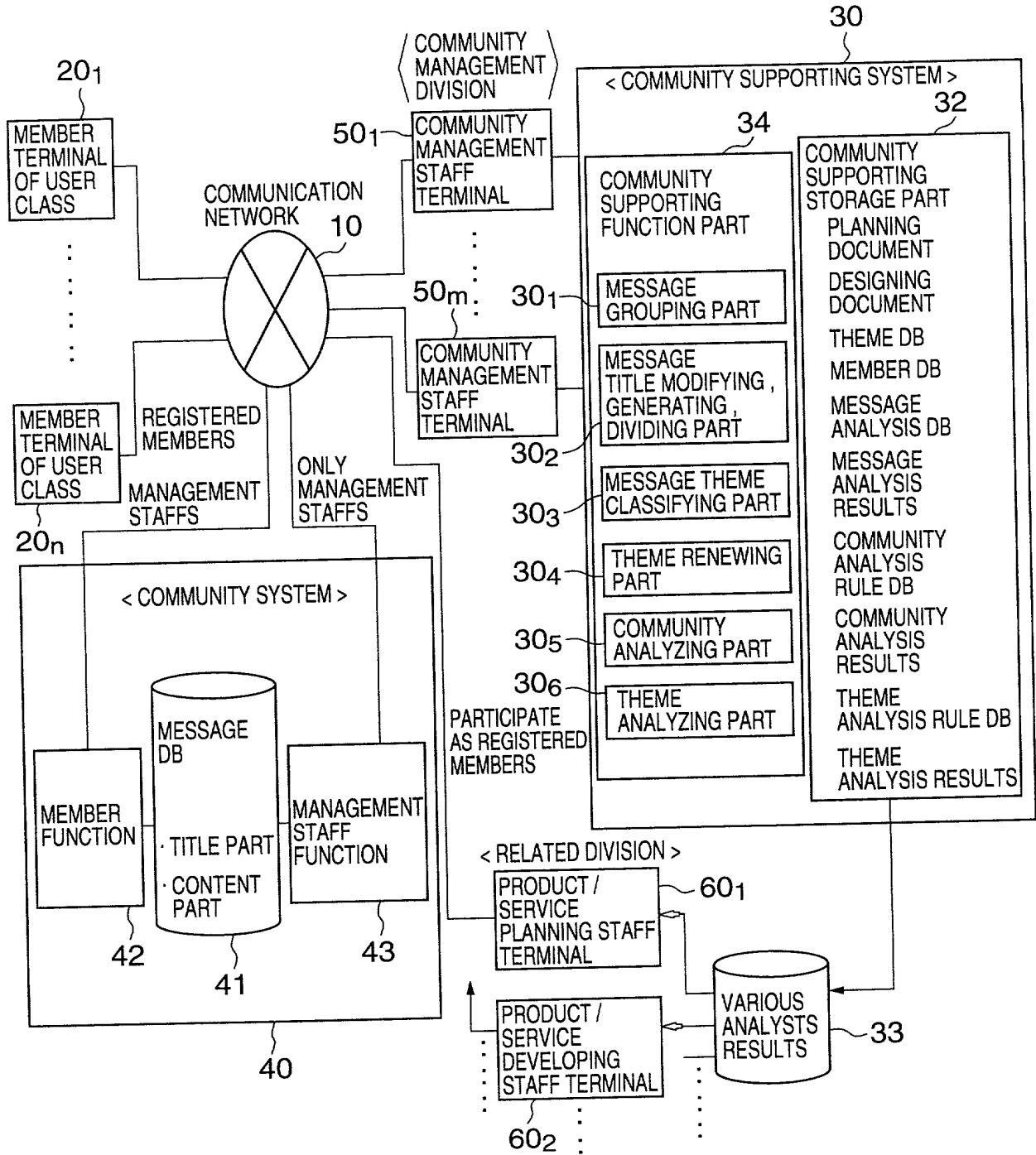


FIG.2

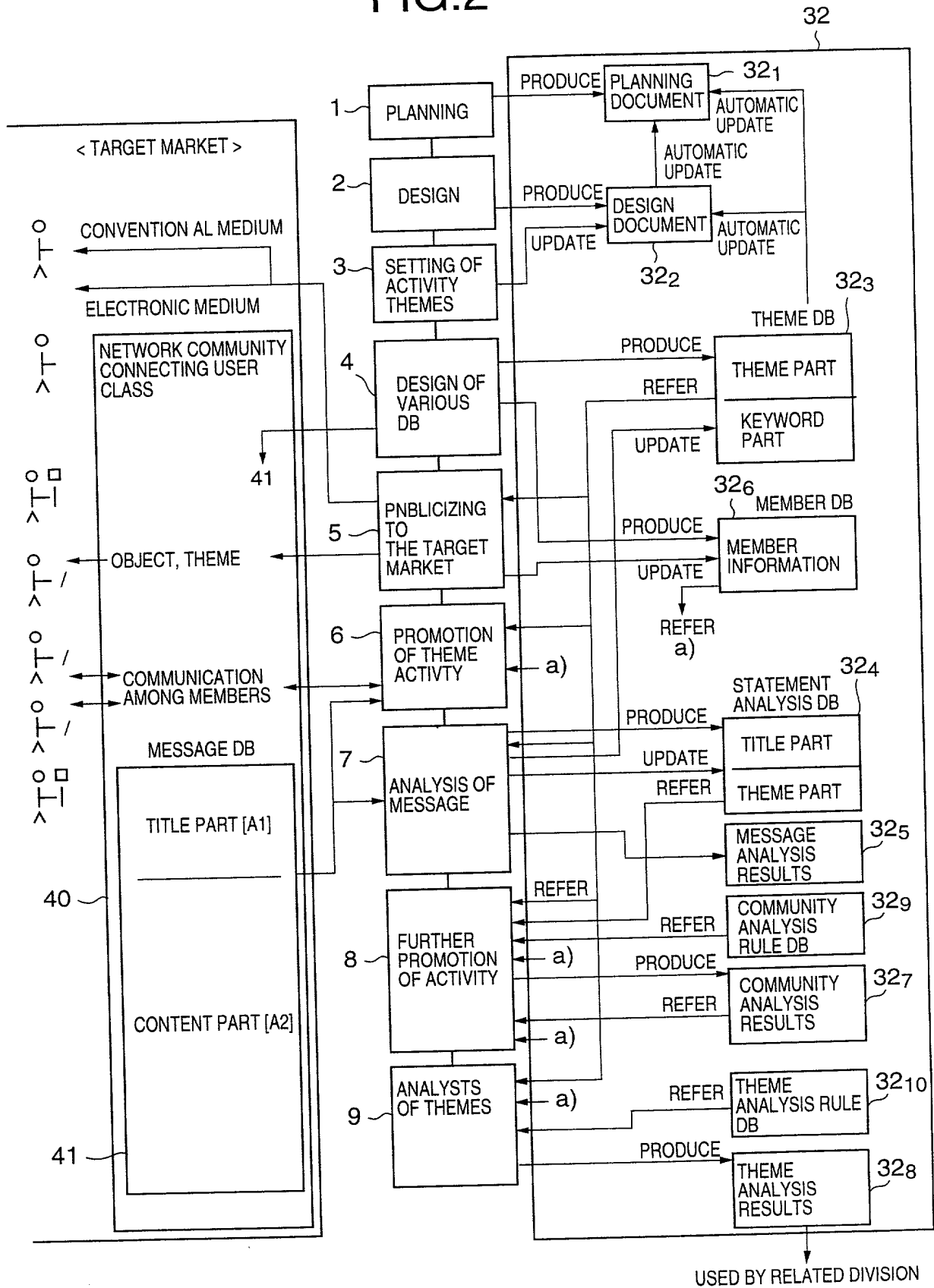


FIG.3A

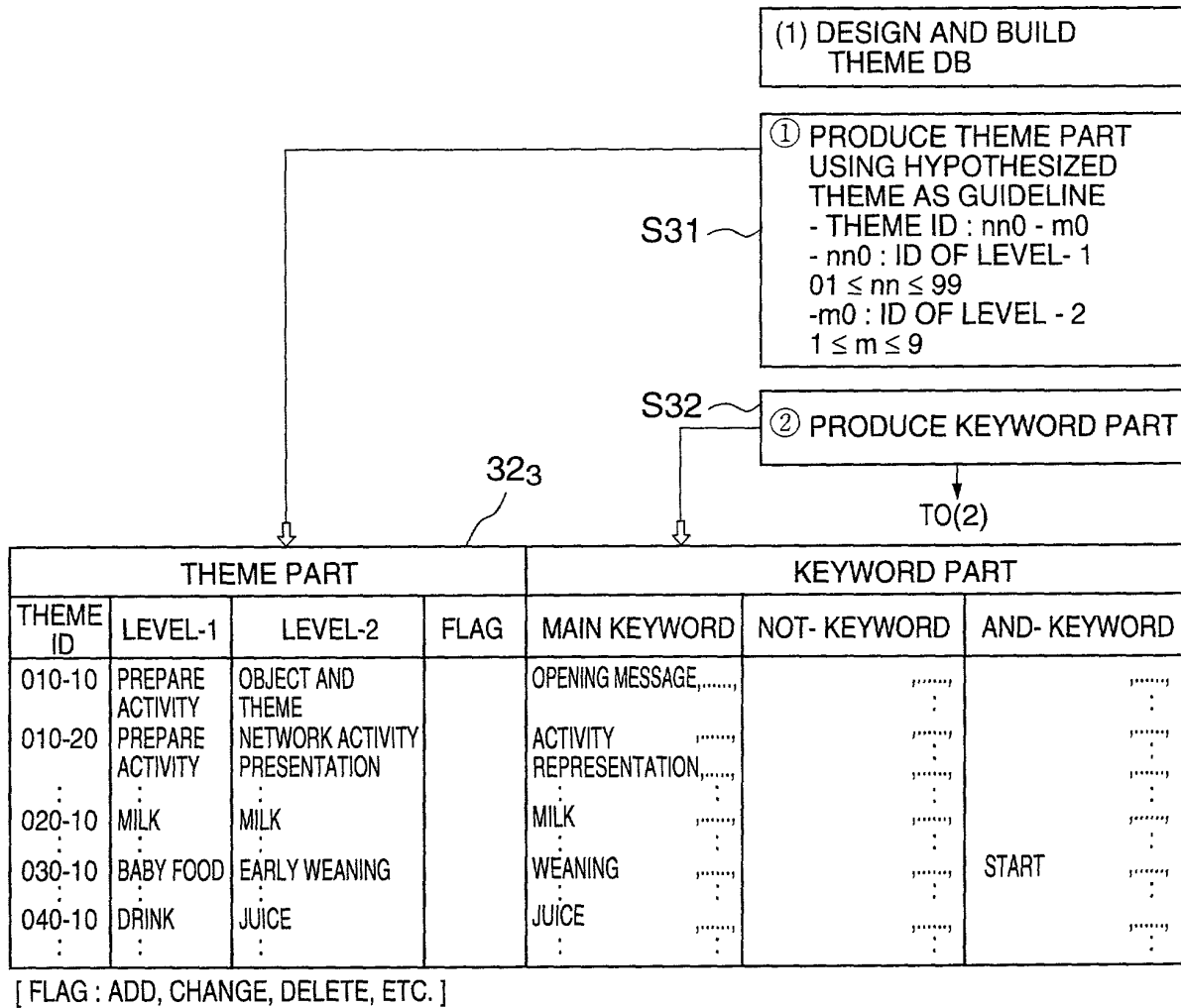


FIG.3B

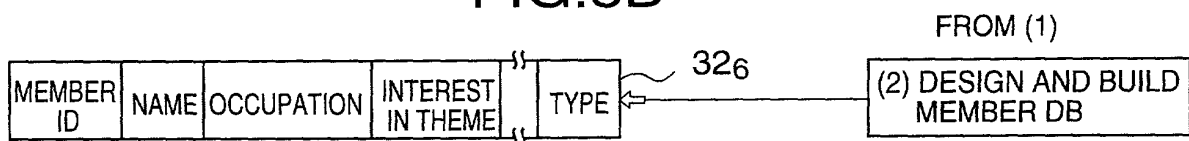


FIG.3C

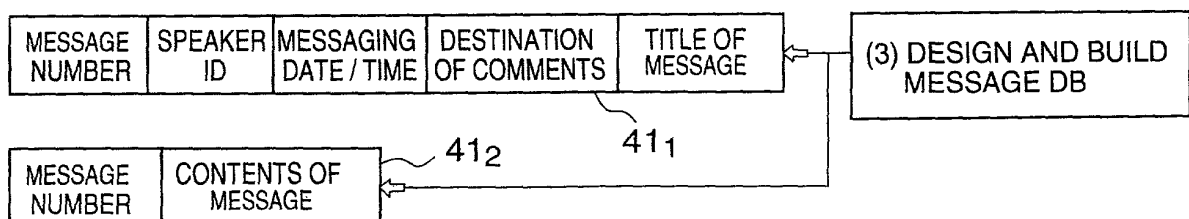


FIG.4A

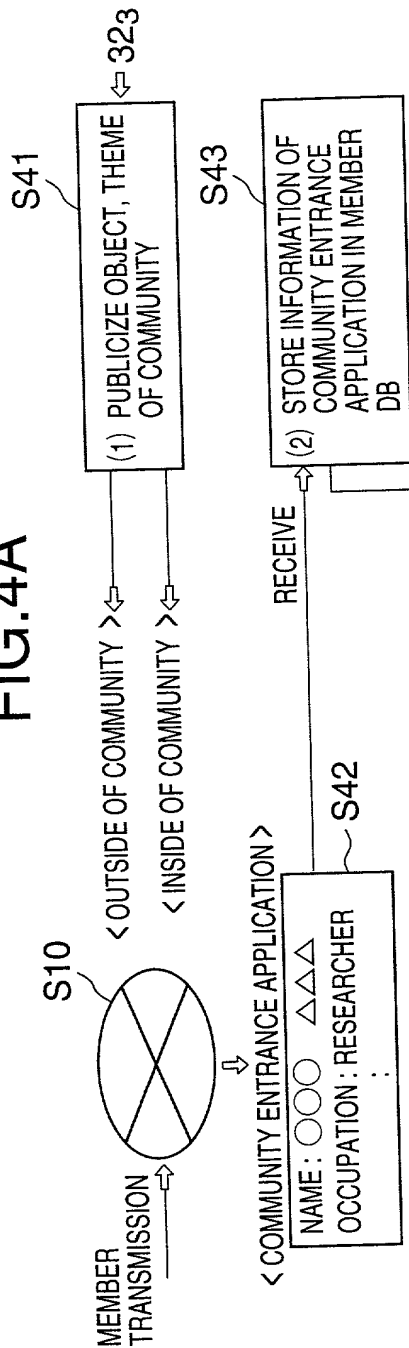


FIG.4B

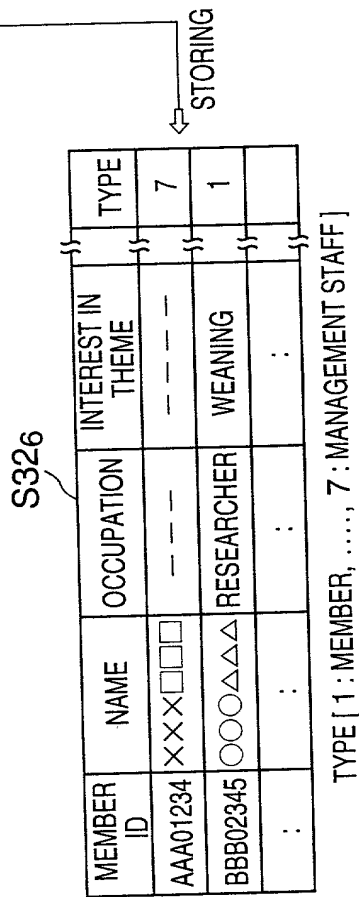


FIG. 5A

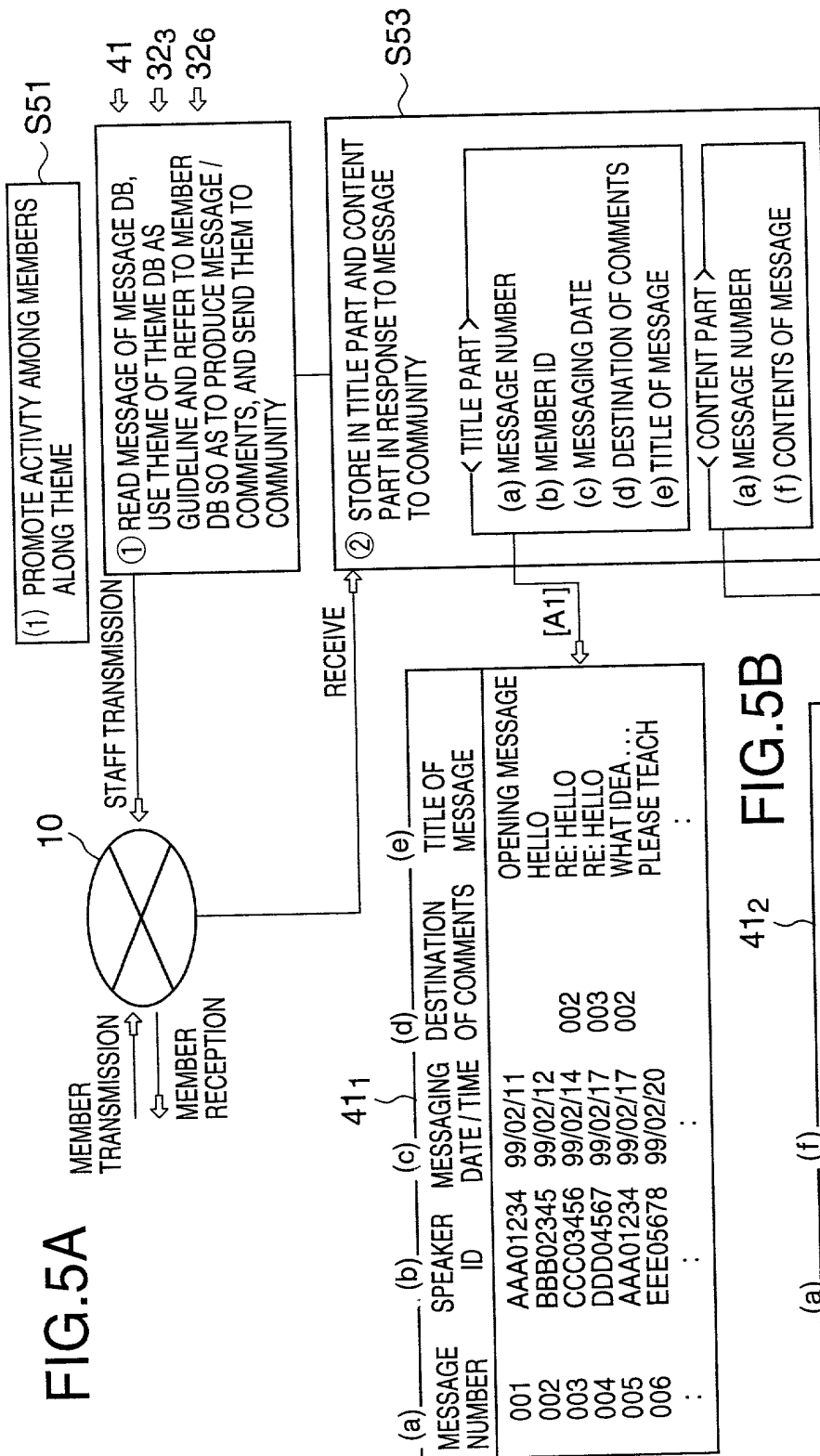


FIG.6

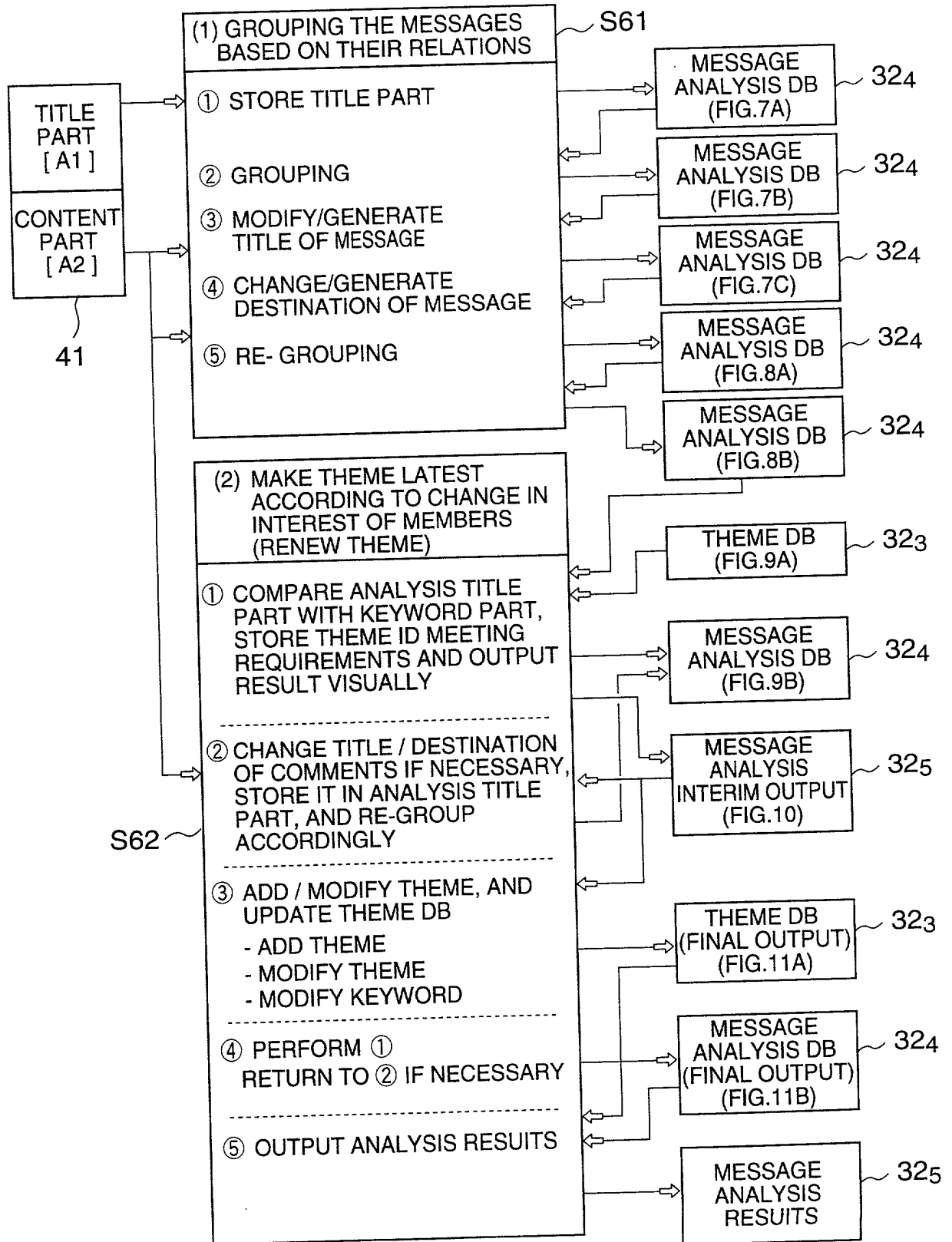


FIG.7A

324

GROUP ID	MESSAGE NUMBER	MEMBER ID	MESSAGING DATE	ORIGINAL TITLE PART		ANALYSIS TITLE PART		THEME PART	
				DESTINATION OF COMMENTS	TITLE OF MESSAGE	DESTINATION OF COMMENTS	TITLE OF MESSAGE	THEME ID	
	001	AAA01234	99/01/01	000	OPENING MESSAGE				}}
	002	BBB02345	99/01/02	000	HELLO				
	003	CCC03456	99/01/04	002	RE: HELLO				
	004	DDD04567	99/01/07	002	RE: HELLO				
	005	AAA01234	99/01/07	003	WHAT IDEA ?				
	006	EEE05678	99/02/20	000	PLEASE TEACH				
	007	FFF06789	99/03/01	000	HI				
	008	BBB02345	99/03/04	000	SOON WEANING				

FIG.7B

324

GROUP ID	MESSAGE NUMBER	MEMBER ID	MESSAGING DATE	ORIGINAL TITLE PART		ANALYSIS TITLE PART		THEME PART	
				DESTINATION OF COMMENTS	TITLE OF MESSAGE	DESTINATION OF COMMENTS	TITLE OF MESSAGE	THEME ID	
001	001	AAA01234	99/02/11	000	OPENING MESSAGE				}}
002	002	BBB02345	99/02/12	000	HELLO				
002	003	CCC03456	99/02/14	002	RE: HELLO				
002	005	AAA01234	99/02/17	003	WHAT IDEA ?				
002	004	DDD04567	99/02/17	002	RE: HELLO				
003	006	EEE05678	99/02/20	000	PLEASE TEACH				
004	007	FFF06789	99/03/01	000	HI				
005	008	BBB02345	99/03/04	000	SOON WEANING				

FIG.7C

324

GROUP ID	MESSAGE NUMBER	MEMBER ID	MESSAGING DATE	ORIGINAL TITLE PART		ANALYSIS TITLE PART		THEME PART	
				DESTINATION OF COMMENTS	TITLE OF MESSAGE	DESTINATION OF COMMENTS	TITLE OF MESSAGE	THEME ID	
001	001	AAA01234	99/02/11	000	OPENING MESSAGE	000	OPENING MESSAGE		}}
002	002-1	BBB02345	99/02/12	000	HELLO	000	IMMEDIATE BEFORE START OF BABY FOOD		
002	002-2	BBB02345	99/02/12	000	HELLO	000	RELATION WITH MILK		
002	003	CCC03456	99/02/14	002	RE: HELLO	002	HOW TO MAKE JUICE		
002	005	AAA01234	99/02/17	003	WHAT IDEA ?	003	WHAT IDEA ?		
002	004	DDD04567	99/02/17	002	RE: HELLO	002	HOW TO FEED JUICE AND MILK		
003	006	EEE05678	99/02/20	000	PLEASE TEACH	000	MENU FOR GIRL'S FESTIVAL		
004	007	FFF06789	99/03/01	000	HI	000	MENU FOR GIRL'S FESTIVAL FOR BABY		
005	008	BBB02345	99/03/04	000	SOON WEANING	000	SHIFT TO FOLLOW-UP MILK		

FIG.9A

323

THEME PART			FLAG	KEYWORD PART		
THEME ID	LEVEL - 1	LEVEL - 2		MAIN KEYWORD	NOT- KEYWORD	AND- KEYWORD
010-10 010-20 :	PREPARE ACTIVITY PREPARE ACTIVITY PREPARE ACTIVITY	OBJECT AND THEME NETWORK ACTIVITY PRESENTATION :		OPENING MESSAGE ACTIVITY PRESENTATION :		
020-10	MILK	MILK		MILK		
030-10 :	BABY FOOD BABY FOOD	EARLY WEANING :		WEANING :		START
040-10 :	DRINK DRINK	JUICE :		JUICE :		

FIG.9B

324

GROUP ID	MESSAGE NUMBER ...	ORIGINAL TITLE PART	ANALYSIS TITLE PART	THEME PART		
			TITLE OF MESSAGE	THEME ID	THEME ID	
001	001		OPENING MESSAGE	010-10		
002	002-1		IMMEDIATE BEFORE START OF BABY FOOD	030-10		
002	003		HOW TO MAKE JUICE	040-10		
002	005		WHAT IDEA ?			
003	002-2		RELATION WITH MILK	020-10		
003	004		HOW TO FEED JUICE AND MILK	040-10	020-10	
004	006		MENU FOR GIRL'S FESTIVAL			
004	007		MENU FOR GIRL'S FESTIVAL FOR BABY			
005	008		SHIFT TO FOLLOW-UP MILK	020-10		
:	:		:			

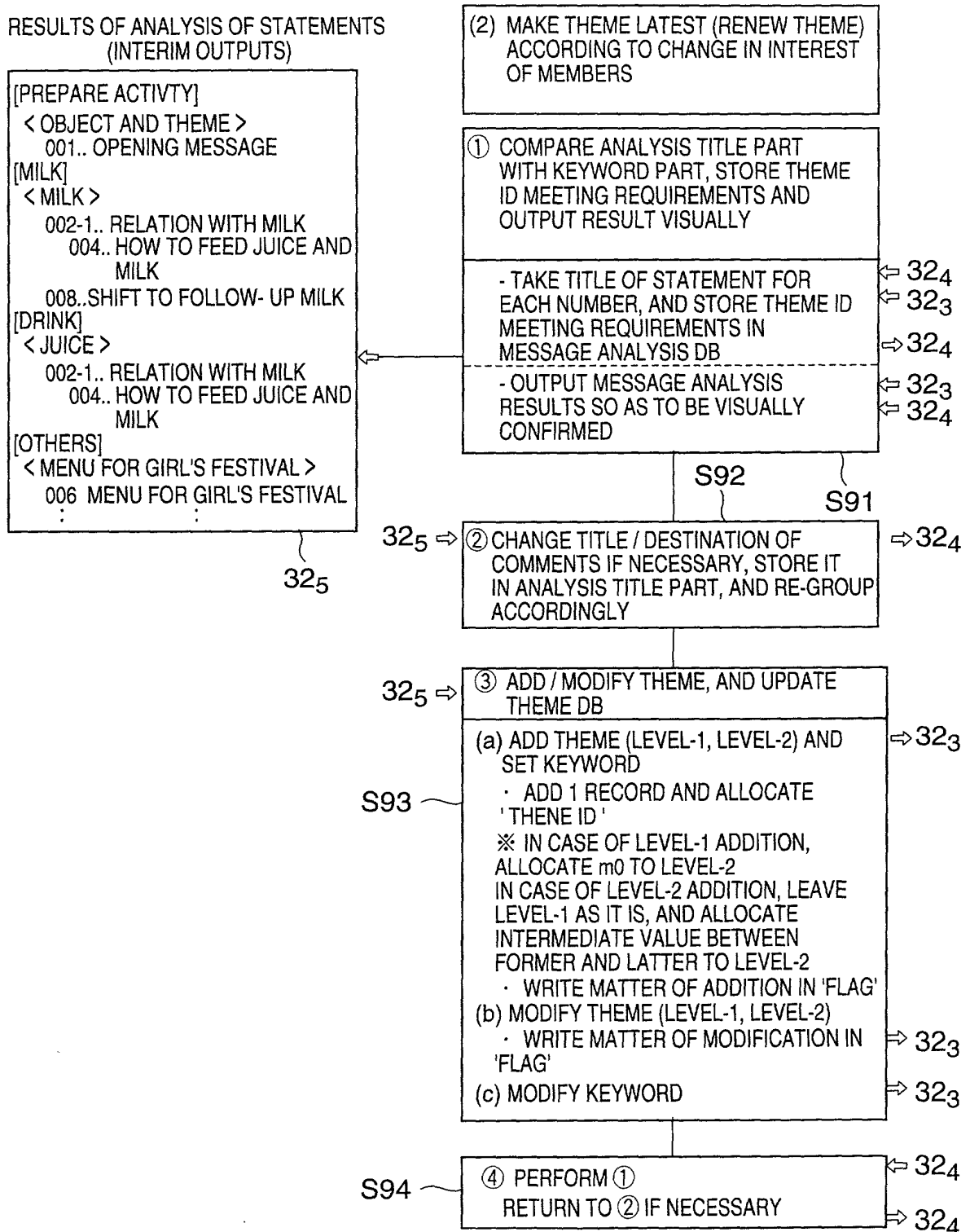
[illegible]

FIG.11A

324

THEME PART			FLAG	KEYWORD PART		
THEME ID	LEVEL - 1	LEVEL - 2		MAIN KEYWORD	NOT- KEYWORD	AND- KEYWORD
:		:		:	:	:
020-10	MILK	POWDERED MILK	MODIFIED	MILK	FOLLOW	
020-20	MILK	MOTHER'S MILK	ADDED	MOTHER'S MILK		
020-30	MILK	FOLLOW- UP MILK	ADDED	MILK		FOLLOW
:	:	:	:	:	:	:
110-10	EVENT FOOD	GIRL' S FESTIVAL	ADDED	GIRL' S FESTIVAL		
:	:	:	:	:	:	:

FIG.11B

324

GROUP ID	MESSAGE NUMBER ...	ORIGINAL TITLE PART	ANALYSIS TITLE PART	THEME PART		
			TITLE OF MESSAGE	THEME ID	THEME ID	
:	:		:			
003	002-2		RELATION WITH MILK	020-10		
003	004		HOW TO FEED JUICE AND MILK	040-10	020-10	
004	006		MENU FOR GIRL'S FESTIVAL	110-10		
004	007		MENU FOR GIRL'S FESTIVAL FOR BABY	110-10		
005	008		SHIFT TO FOLLOW-UP MILK	020-30		
:	:		:			

FIG.12A

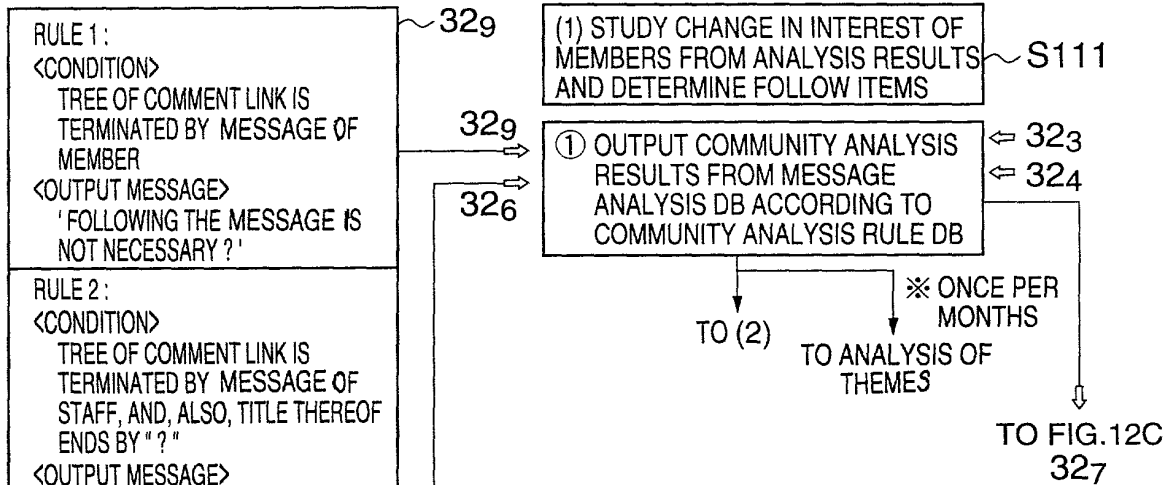


FIG.12B

326

MEMBER ID	NAME	OCCUPATION	INTEREST IN THEME	TYPE
AAA01234	×××□□□	---		7
BBB02345	○○○△△△	RESEARCHER	WEANING	1
:	:	:	:	

TYPE [1 : MEMBER, ..., 7 : MANAGEMENT STAFF]

FIG.12C

325

BY-THEME MESSAGE LIST	FOLLOW- INSTRUCTION MESSAGE
<p>[PREPARE ACTIVITY] < OBJECT AND THEME > 001 OPENING MESSAGE : [MILK] < POWDERED MILK > 002-1 RELATION WITH MILK 004 HOW TO FEED JUICE AND MILK : < MOTHER'S MILK > < FOLLOW- UP MILK > 008 SHIFT TO FOLLOW- UP MILK : [BABY FOOD] < EARLY WEANING > 002 IMMEDIATELY BEFORE START OF BABY FOOD 003 HOW TO MAKE JUICE 005 WHAT IDEA ? : [DRINK] < JUICE > 002-1 RELATION WITH MILK 004 HOW TO FEED JUICE AND MILK : [EVENT FOOD] < GIRL'S FESTIVAL > 006 MENU FOR GIRL'S FESTIVAL 007 MENU FOR GIRL'S FESTIVAL FOR BABY :</p>	<p>RULE 3 : THIS GROUP HAS FOLLOWING THEME DUPLICATELY. THEME NAME: ' JUICE '</p> <p>RULE 4 : NO MESSAGE IS GIVEN FOR THIS THEME</p> <p>RULE 2 : ISN'T IT NECESSARY TO DIG UP THE MESSAGE AGAIN ?</p> <p>RULE 3 : THIS GROUP HAS THE FOLLOWING THEME DUPLICATELY. THEME NAME : ' MILK '</p> <p>RULE 1 : FOLLOWING THE MESSAGE IS NOT NECESSARY ?</p>

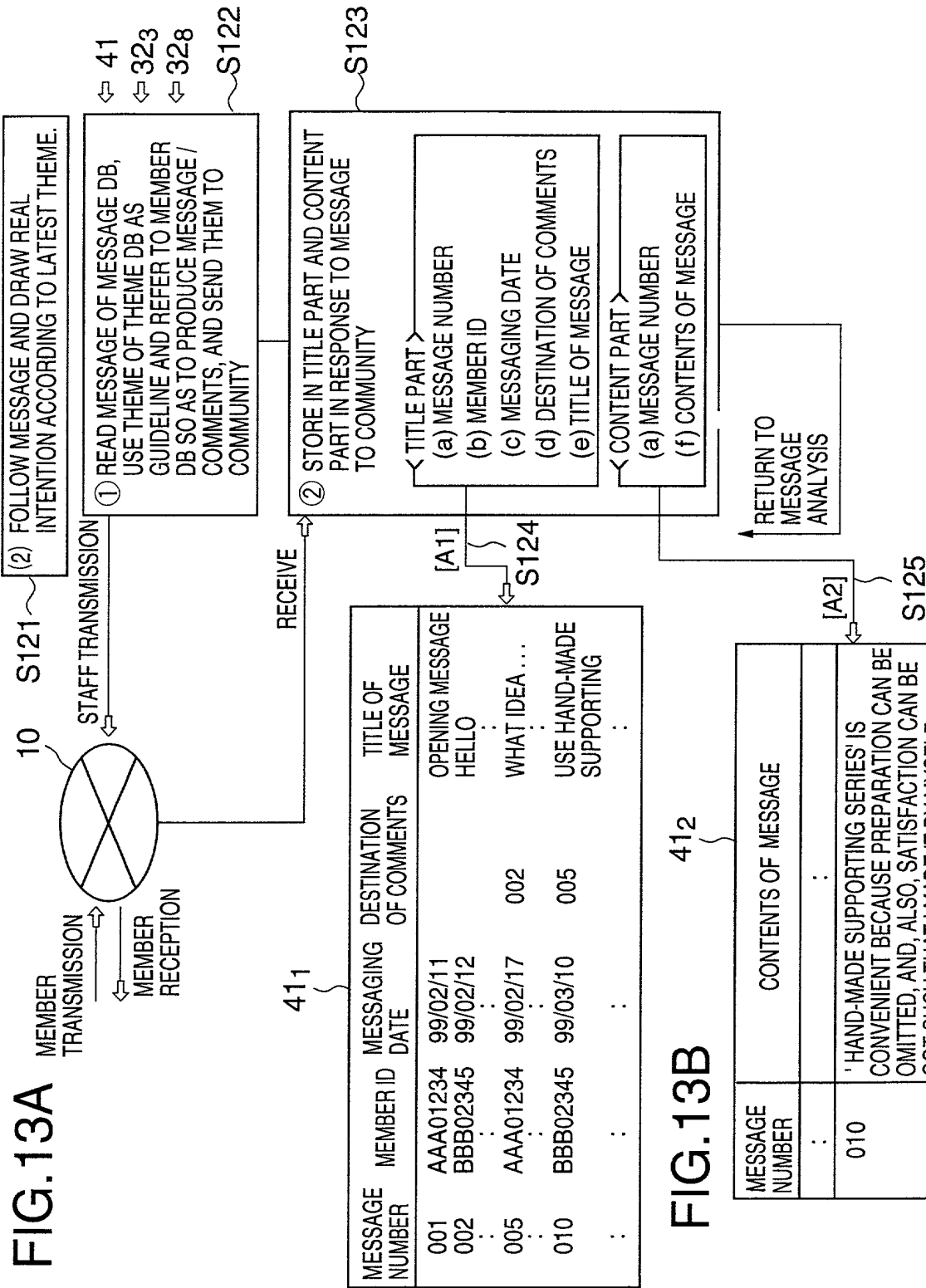
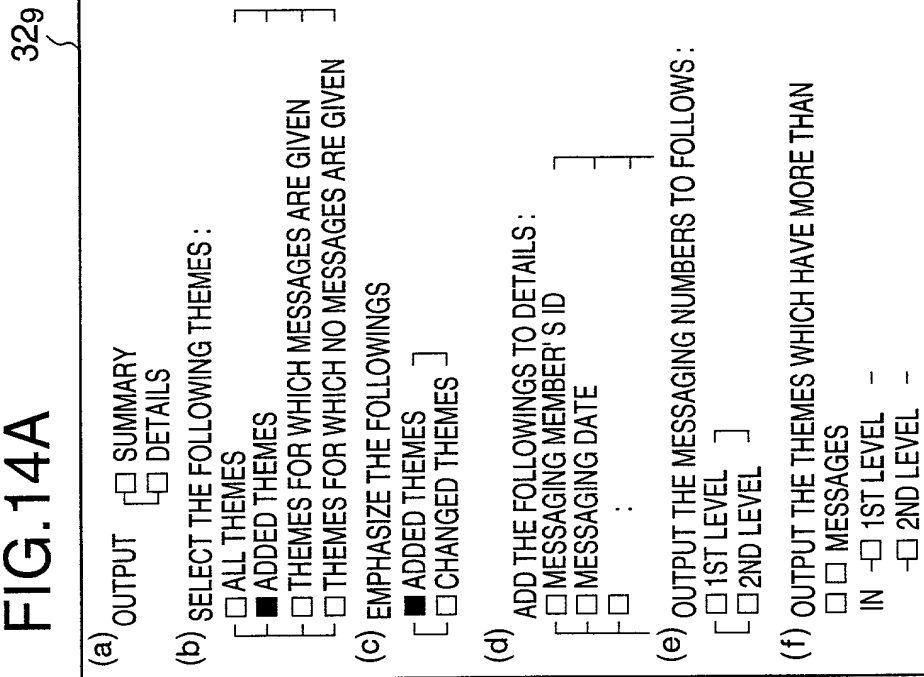


FIG. 13B

FIG.14A



(1) FIND OUT REAL INTENTION OF USER CLASS

① OUTPUT THEME ANALYSIS RESULTS
IN ACCORDANCE WITH THEME
ANALYSIS RULE DB

⇔ 324

⇔ 323

FIG.14B

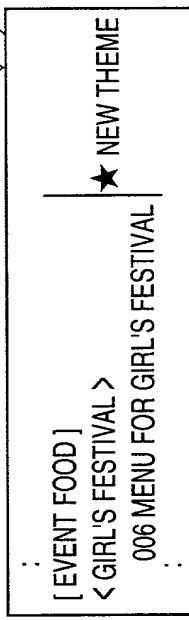


FIG.14C

< UTILIZATION BY RELATED DIVISION >
EXAMPLE : PLANNING DIVISION
[PRODUCT-FOR-EVENT PLANNING DOCUMENT]

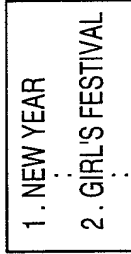


FIG.15

